

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the captioned patent application.

Listing of Claims

1. (Currently Amended) A module management system for obtaining management information from a computing environment, the system comprising:
 - a library-of data miner modules each configured to access at least one entity in a computing environment for management information, wherein the at least one entity comprises ~~entities comprise~~ one or more of the group consisting of hardware entities and software entities;
 - a library of module registration files each defining an implementation of a data miner module; ~~module;~~ and
 - a module manager configured to provide ~~that provides~~ access to each of said data miner modules stored in said library of data miner modules for which said library of registration files includes a corresponding registration file defining an implementation of said data miner module; ~~and module.~~
 - a portal view profile that includes a reference to one or more of said data miner modules.
2. (Original) The module management system of claim 1, wherein said module manager generates a list of data miner modules for which said library of registration files includes a corresponding registration file defining an implementation of said data miner module.
3. (Original) The module management system of claim 1, wherein a plurality of registration files correspond and define a different implementation of one data miner module.

4. (Original) The module management system of claim 1, wherein said module management system further comprises:

a module specification file that specifies requisite components to be identified in said registration files to properly define a data miner module implementation,

wherein said module manager provide said access to said data miner modules for which said library of registration files comprises a registration file that specifies said requisite components in said definition of said data miner module implementation.

5. (Original) The module management system of claim 4, wherein said registration file comprises:

an element defining the data miner module for which said registration file defines an implementation; and

an attribute list defining said implementation of said defined data miner module.

6. (Original) The module management system of claim 4, wherein, for those data miners having registration files that comply with said module specification file, said module manager retrieves from said library of data miner modules and stores said retrieved data miner modules in an accessible memory location.

7. (Original) The module management system of claim 4, wherein said registration files are verified by said module manager when said registration files are initially read by said module manager.

8. (Original) The module management system of claim 4, wherein each registration file is verified by said module manager when it is initially added to said library of registration files.

9. (Original) The module management system of claim 4, wherein said module specification file is in a document type descriptor (.dtd) file format.

10. (Original) The module management system of claim 5, wherein said attribute list comprises:

- a description of the referenced data miner module; and
- a version of the referenced data miner module.

11.(Original) The module management system of claim 10, wherein said attribute list further comprises:

- a title of the defined data miner module; and
- a path to the defined data miner module.

12. (Original) The module management system of claim 11, wherein said attribute list further comprises:

- a name of the vendor supplying the defined data miner module; and
- a web site of said vendor.

13. (Original) The module management system of claim 12, wherein said attribute list further comprises:

- an indication of the type of output format for presenting said management information generated by said defined data miner module, wherein said type of output is either a narrow output for a summarized view or a wide output for an expanded view.

14. (Original) The module management system of claim 5, wherein said attribute list further comprises:

- an attribute indicating whether said defined data miner module supports a module editing function.

15. (Original) The module management system of claim 5, wherein said attribute list further comprises:

- a path to a help file corresponding to said defined data miner module.

16. (Original) The module management system of claim 5, wherein said module manager generates a list of data miner modules that have been successfully stored in local memory and are thereafter available for execution.

17. (Currently Amended) A computer-implemented method for providing access to management information related to managed entities in managing data miner modules in a service information portal of a computing environment, the method comprising: comprising the steps of:

providing a database of portal data miner modules, each said data miner module configured to obtain management information related to the managed entities ~~in the computing environment;~~

providing a specification for a module registration file;

receiving a registration file that defines an implementation of a data miner module;

verifying said received registration file satisfies said specification; ~~and~~

providing access to said data miner modules for which said registration files comply with said specification; and

providing a portal view profile that includes a reference to one or more of said data miner modules.

18.-21. (Canceled)

22. (Currently Amended) The module management system of claim 1, claim 21, wherein an end user can modify said portal view profile to alter the manner in which said implemented data miner module is executed.

23. (New) A module management system for obtaining management information from a computing environment, the system comprising:

a library of data miner modules each configured to access at least one entity in a computing environment for management information, wherein the at least one entities comprise one or more of the group consisting of hardware entities and software entities;

a library of module registration files each defining an implementation of a data miner module; and

a module manager configured to provide access to each of said data miner modules stored in said library of data miner modules for which said library of registration files includes a corresponding registration file defining an implementation of said data miner module, and to generate a list of data miner modules for which said library of registration files includes a corresponding registration file defining an implementation of said data miner module.

24. (New) The module management system of claim 23, wherein a plurality of registration files correspond and define a different implementation of one data miner module.

25. (New) The module management system of claim 23, wherein said module management system further comprises:

a module specification file that specifies requisite components to be identified in said registration files to properly define a data miner module implementation.

26. (New) The module management system of claim 25, wherein said module manager provide said access to said data miner modules for which said library of registration files comprises a registration file that specifies said requisite components in said definition of said data miner module implementation.

27. (New) The module management system of claim 24, wherein said registration file comprises:

an element defining the data miner module for which said registration file defines an implementation; and

an attribute list defining said implementation of said defined data miner module.

28. (New) The module management system of claim 27, wherein said module manager is configured to verify said registration files when said registration files are initially read by said module manager.

29. (New) The module management system of claim 27, wherein said module manager is configured to verify each registration file when said registration file is initially added to said library of registration files.

30. (New) The module management system of claim 27, wherein said attribute list comprises:

- a description of the referenced data miner module; and
- a version of the referenced data miner module.

31. (New) The module management system of claim 30, wherein said attribute list further comprises:

- a title of the defined data miner module; and
- a path to the defined data miner module.

32. (New) The module management system of claim 31, wherein said attribute list further comprises:

- a name of the vendor supplying the defined data miner module; and
- a web site of said vendor.

33. (New) The module management system of claim 27, wherein said attribute list further comprises:

- an attribute indicating whether said defined data miner module supports a module editing function.

34. (New) The module management system of claim 27, wherein said attribute list further comprises:

- a path to a help file corresponding to said defined data miner module.

35. (New) The module management system of claim 23, further comprising:
a portal view profile that includes a reference to one or more of said data miner modules.
36. (New) The method of claim 17, further comprising:
generating a list of data miner modules for which said library of registration files includes a corresponding registration file defining an implementation of said data miner module.
37. (New) The method of claim 17, wherein a plurality of registration files correspond and define a different implementation of one data miner module.
38. (New) The method of claim 17, further comprising:
providing a module specification file that specifies requisite components to be identified in said registration files to properly define a data miner module implementation, wherein said module manager provide said access to said data miner modules for which said library of registration files comprises a registration file that specifies said requisite components in said definition of said data miner module implementation.
39. (New) The method of claim 36, wherein said registration file comprises:
an element defining the data miner module for which said registration file defines an implementation; and
an attribute list defining said implementation of said defined data miner module.
40. (New) The method of claim 39, wherein said attribute list comprises:
a description of the referenced data miner module; and
a version of the referenced data miner module.
41. (New) The method of claim 39, wherein said attribute list comprises:
a title of the defined data miner module; and
a path to the defined data miner module.

42. (New) The method of claim 39, wherein said attribute list comprises:
a name of the vendor supplying the defined data miner module; and
a web site of said vendor.

43. (New) The method of claim 39, wherein said attribute list comprises:
an indication of the type of output format for presenting said management information
generated by said defined data miner module, wherein said type of output is either a narrow
output for a summarized view or a wide output for an expanded view.